

Safety Data Sheet: Propargyl Alcohol Propoxylate

1. Identification

Product	Propargyl Alcohol Propoxylate; CAS 3973-17-9; EC No EC number listed
Use	Professional nickel-electroplating additive formulation development.
Company	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Address	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / email	+86-21-54265599 / sales@zxchem.com.cn
Emergency contact	ZXCHEM office number above, office hours, China time (UTC+8). For urgent medical assistance contact local emergency services.
Scope	Reference safety information for Propargyl Alcohol Propoxylate. The reference composition, concentration and supply-grade differences are described in Section 3. This document does not certify the composition or transport status of a specific delivered batch or a different formulation.

2. Hazards Identification

Classification	Flammable liquid Category 3; skin irritation Category 2; serious eye damage Category 1.
Signal word / symbols	Danger; GHS02, GHS05
Hazard statements	H226: flammable liquid and vapour. H315: causes skin irritation. H318: causes serious eye damage.
Prevention	Use adequate ventilation; avoid inhaling mist. Prevent skin and eye contact. Wear suitable chemical-resistant gloves and eye protection. Wash after handling; keep food and drink out of the work area.
Response	After exposure, stop work and seek medical advice. For severe exposure obtain urgent medical care. Rinse contaminated skin or eyes with water; move an inhalation casualty to fresh air.
Environment	Prevent uncontrolled release to drains, soil or surface water. Collect spills for appropriate disposal.



3. Composition / Information on Ingredients

Reference ingredient	Propargyl Alcohol Propoxylate; CAS 3973-17-9. No unverified additive or impurity percentage is assigned to the supplied material.
Supply grade	Assay ≥98.0%
Applicability	The cited concentration or purity describes the reference material. It is not a certificate of analysis for the delivered batch; different solvents or dilutions require the matching supplier safety document.

4. First-Aid Measures

General	Protect the rescuer from exposure and show the product information to medical personnel. Obtain medical advice if symptoms occur or exposure is significant.
Inhalation	Move to fresh air and keep the person comfortable. Seek medical care for breathing difficulty or persistent symptoms. Avoid exposing rescuers to mist.
Skin	Remove contaminated clothing and rinse skin thoroughly with water. Seek medical advice for persistent irritation.
Eyes	Rinse gently with clean water for at least 15 minutes. Remove contact lenses when easy and continue rinsing. Obtain urgent medical care. Obtain immediate specialist medical attention and continue irrigation during referral.
Ingestion	Rinse the mouth. Do not induce vomiting. Give nothing by mouth to an unconscious person. Obtain medical advice.
Effects / treatment	Serious eye damage and skin irritation; flammable vapour requires controlled handling. Seek immediate specialist attention after eye exposure. Treatment is symptomatic and directed by a clinician.

5. Fire-Fighting Measures

Extinguishing media	Use alcohol-resistant foam, dry chemical or carbon dioxide. Cool exposed containers from a protected location; firefighters need protective clothing and self-contained breathing apparatus.
Hazards	Fire can release carbon monoxide, carbon dioxide and hazardous smoke.
Protection	Firefighters require suitable protective clothing and self-contained breathing equipment. Prevent contaminated firefighting water entering drains.

6. Accidental Release Measures

Personnel	Isolate the spill and provide ventilation. Use chemical-resistant gloves and eye protection; avoid contact and mist exposure.
Environment	Contain the release and protect drains and waterways. Report significant environmental contamination to the responsible authority.
Cleanup	Stop the leak if safe. Absorb liquid with a compatible inert material and collect in closed labelled containers. Do not wash into drains.

7. Handling and Storage

Handling	Use closed transfer with effective ventilation and suitable ignition-controlled equipment. Wear chemical-resistant gloves, tight goggles and face protection; avoid vapour, mist and direct contact. Maintain immediate eye-washing facilities.
Storage	Store sealed and dry at 2–8°C in a well-ventilated, ignition-controlled area. Keep containers upright, provide secondary containment and segregate from strong oxidizers.
Incompatibilities	Keep away from ignition sources and strong oxidizers; prevent uncontrolled heating.

8. Exposure Controls / Personal Protection

Exposure limits	The selected reference lists no ingredient-specific occupational exposure limit. Use effective vapour and mist extraction and apply current local workplace requirements.
Engineering controls	Use local extraction where mist can be generated. Maintain accessible eyewash and emergency washing facilities.
Personal protection	Wear chemical-resistant gloves selected for the task, suitable protective clothing and splash goggles. Add face protection for splash-prone tasks.
Respiratory protection	Use a properly selected respirator under a respiratory-protection program where engineering controls do not adequately limit airborne exposure.
Hygiene	Wash after handling, remove contaminated clothing promptly and do not eat, drink or smoke in the work area.

9. Physical and Chemical Properties

Appearance	Clear, colourless to yellowish liquid
Formula / molecular weight	C6H10O2 / 114.14 g/mol
Physical form	Liquid
Density, supply TDS	1.01–1.04 g/mL at 20°C
Refractive index, supply TDS	1.4430–1.4455 at 20°C
Flash point	No numerical value provided by the selected liquid reference
Other properties	Product-specific values for odor threshold, vapor pressure, partition coefficient, autoignition temperature and viscosity are not supplied by the selected reference set. No values are inferred.

10. Stability and Reactivity

Stability	Handle and store under the recommended conditions. Prevent contamination and unnecessary heating.
Incompatibilities	Keep away from ignition sources and strong oxidizers; prevent uncontrolled heating.
Decomposition	Fire can release carbon monoxide, carbon dioxide and hazardous smoke.

11. Toxicological Information

Exposure effects	Serious eye damage and skin irritation; flammable vapour requires controlled handling. Seek immediate specialist attention after eye exposure.
Reference classification	Flammable liquid Category 3; skin irritation Category 2; serious eye damage Category 1.
Data limits	The selected liquid reference identifies skin irritation and serious eye damage but provides no numerical acute or chronic endpoints. No supplied-batch toxicological assessment is asserted.

12. Ecological Information

Environmental effects	No quantitative aquatic toxicity, persistence, bioaccumulation or mobility endpoint is available in the selected reference. Contain liquid and prevent environmental release.
Controls	Prevent uncontrolled release, collect spills and dispose of contaminated material through an authorized route.
Assessment	No product-specific PBT/vPvB assessment is claimed. Absence of data does not establish absence of environmental effects.

13. Disposal Considerations

Product	Collect surplus product and contaminated cleanup material for disposal by an authorized chemical-waste contractor in accordance with local requirements.
Packaging	Containers may retain product residues. Do not reuse contaminated packaging without an approved cleaning process; use an authorized disposal route.

14. Transport Information

Classification	Class 3 — Flammable liquid
UN number	UN 1993
Shipping name	FLAMMABLE LIQUID, N.O.S. (propargyl alcohol propoxylate)
Class / packing group	ADR / RID / IMDG / IATA: UN 1993, Class 3, packing group III. No environmental transport hazard is assigned by the selected reference.
Transport precautions	Protect packaging and closures from damage, secure loads and prevent releases. This reference is not a shipping declaration for a specific consignment.

15. Regulatory Information

Identity	Propargyl Alcohol Propoxylate; CAS 3973-17-9; EC No EC number listed
HS reference	290949; reference heading rather than a destination customs ruling.
Compliance	Apply applicable workplace, environmental and transport rules. A raw-material listing does not establish authorization for a finished formulation.
Assessment	No ZXCHEM-specific chemical safety assessment or destination registration is asserted.

16. Other Information

Hazard meanings	H226: flammable liquid and vapour. H315: causes skin irritation. H318: causes serious eye damage.
Limitations	Prepared as reference safety information for the identified material. It is not a batch analytical certificate or safety assessment of a different solvent-containing formulation.
Revision	2026.1; prepared 2026-10-07. Customer-document branding and title corrected; technical safety data retained.
Document scope	Reference safety information for the material and grade described in Sections 1 and 3. Different concentrations, solvents or formulations require the applicable safety information. This is not a batch analytical certificate.

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